

# Conner Engineering, LLC

## General Motors – Partial History

### (Connecting Rods) Prototype, Pre-Production / Pilot, Production & Service Parts:

<u>Engine</u>	<u>Reference Use</u>
Northstar	Prototype thru Service Parts 1998 M.Y.(FMW / AER)
2000 Northstar	Prototype – Livonia Pilot thru Service (GMSPO & AER)
PV8 (2003)	Prototype and Pilot 2003 M.Y.
LC3 Northstar	Prototype thru Production
LQ9	Prototype and Production (Bushing Operation – GKN / Bay City)
LS7	Prototype – GM (4340 & 17-4)
L850	Prototype - GM
HFV6	Prototype - GM
Premium V6	Prototype - GM
PV6	Prototype- GM
L5	Prototype - GM
LE5	Prototype - GM
L6	Prototype - GM
LX9	Prototype & Machine Runoff - Metaldyne
LR2	Prototype & Machine Runoff - Metaldyne
LZ5	Prototype - Metaldyne
LZ8	Prototype - Metaldyne
2.8L	Prototype - Mahle
3.0L China	Prototype & Machine Set Up (Tri-Way)
Saturn	Prototype - GM
LVD (Diesel)	Prototype – Federal Mogul Corporation
GM - DMAX	Prototype - GM

### **Reference Engineering Contacts:**

John Beardmore	John Fisher	Charlie Lusher	Rick Ricci
<u>Gary Carlyle</u>	Doug Gates	Dave Lutz	Clarence Smith
<u>John Cherveney</u>	Tom Halka	Ted Purdy	
Jennifer	Gary Kantrud	Frank Rediker	
Daneshgari			

### **Powertrain & Driveline Components:**

Clutch Forks – GMSPO (Current Service Parts Supplier)  
Cylinder Blocks & Heads – Various – GM Tonawanda & Tri-Way Machine  
Intake Manifolds (Alum.) – Upper & Lower GM / Fort Wayne Foundry  
Intake Manifolds – GM / Saturn – Carpenter Industries  
Intake Manifolds (Cast Iron) – GM / Carpenter Industries  
Balance Shaft Housings Quad 4 – Olds Lansing – Prototype & Pilot (Snyder)  
Balance Shafts Quad 4 – Olds Lansing – Prototype & Pilot  
Bearing Caps – GM – Prototypes – Metaldyne  
Transmission Pumps, Valve Covers, Rear Axle Housings & Brackets – GM  
Prototype  
Cam Shafts (Phaser Hole Operations), Cam & Crank Sprockets, Timing Chain Take  
Ups  
Extension Housings – GM Military Vehicles

### **Tier 1 Suppliers & Machine Builders:**

Alfing	GKN	Mahle / Brockhaus
Cloyes Renold	Hillsdale Tool	Metaldyne
Ex-Cell-O	Jernburg Industries	Tri-Way Machine
Fort Wayne Foundry	Keystone	